

AMENDMENTS TO THE SPECIFICATION:

Please insert the attached Sequence Listing at page 30 of the specification.

Figure 3. Southern blot analysis depicting insertion of the M/aphIII cassette into 6-35 site.

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(A) Schematic representation of the wild type V288 and mutant SP-02 chromosomes. The 6-36 and M/aphIII DNA probes are shown with dashed lines. The genomic DNA was digested with Clal and Smal.

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(B) Southern blot of genomic DNA from V288 (lane 1) and SP-02 (lane 2) probed with 6-35 probe.

(C) Southern blot of M/aphIII DNA fragment (lane 3), V288 genomic DNA (lane 4) and SP-02 genomic DNA (lane 5) probed with M/aphIII probe.

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Figure 4. Southern blot analysis depicting chromosomal insertion of the M/aphIII cassette into the *lacG* orf.

(A) Schematic representation of wild type V288 and mutant SP-04 chromosomes. The lacG and M/aphIII DNA probes are shown with dashed lines. The genomic DNA was digested with Smal and XbaI.

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(B) Southern blot of genomic DNA from V288 (lane 1) and SP-04 (lane 2) probed with lacG probe.

(C) Southern blot of M/aphIII DNA fragment (lane 3), V288 genomic DNA (lane 4) and SP-04 genomic DNA (lane 5) probed with M/aphIII probe.

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Figure 5. Competition ELISA with M protein surface expressing strains versus coli M6 protein. Each graph shows percent inhibition of binding of mAB 10F5 to coli M6 protein by decreasing concentrations of cells.

(A) Strains are shown as in the legend.

(B) Strains were grown in M17 broth supplemented with lactose (M17L) or glucose (M17G).

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Figure 6. Results of chromosomal walks upstream and downstream of the GP1223 insert.

Figure 7. A: The alignment of the gram-positive promoter consensus with the sequence determined from "PCR walk 6-9" of the GP1223 insert.
[SEQ ID No. 146-47]
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